ABSTRACT

There is disclosed a coupling arrangement for coupling a motor to a hoist machine. The coupling arrangement comprises a first drum flange comprising an outer body having a first end and a second end, and an inner wall surface defining a cavity of substantially circular cross section. The cavity has a given diameter along a first length of the body, and of reducing diameter along a second length of the body. The flange is adapted to receive at the first end a tapered bushing of increasing diameter and dimensioned such that, upon insertion of the bushing within the body a given length, the bushing frictionally engages with the inner wall surface of reducing diameter for retention therein. The bushing has a central cavity for receiving the shaft of the motor and capable of securing onto the shaft. The first end of the drum mount flange has holes for direct coupling to a portion of a brake drum within an interior portion of the hoist machine, and the motor face includes holes for coupling to an outer portion of the hoist machine.